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NOTICE OF ALLOWANCE AND FEE(S) DUE

28107 7590 02/27/2009
JORDAN AND HAMBURG LLP
122 FAST 42ND STREET

JORDAN AND HAMBURG LLP 122 EAST 42ND STREET SUITE 4000 NEW YORK NY 10168

EXAMINER				
NGUYEN, HUY TRAM				
ART UNIT	PAPER NUMBER			
1797 DATE MAILED: 02/27/200	9			

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/565,755	02/27/2006	Ryoichi Aogaki	F-8962	2040

TITLE OF INVENTION: MICROREACTOR INCLUDING MAGNETIC BARRIER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	05/27/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE DEE and DURI ICATION DEE (if required). Blocks 1 through 5 should be completed where

maintenance fee notifica	tions.						correspondence address as arate "FEE ADDRESS" for
CURRINT CORRESPONDENCE ADDRESS (Nam: the Block 1 for any changes of address) 281/7 7590 022272909 JORDAN AND HAMBURG LLP 122 EAST 42ND STREET SUITE 4000 SUITE 4000			F	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mus have its own certificate of mailing or transmission.			
				are as own cere		te of Mailing or Trans	
			I S ar tr	hereby certify t tates Postal Ser ddressed to the ansmitted to the	hat this Fee vice with su Mail Stop USPTO (5	(s) Transmittal is being dificient postage for fir ISSUE FEE address 71) 273-2885, on the d	g deposited with the United st class mail in an envelope above, or being facsimile ate indicated below.
NEW YORK, N	Y 10168						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	OR	ATT	ORNEY DOCKET NO.	CONFIRMATION NO.
10/565,755	02/27/2006		Ryoichi Aogaki			F-8962	2040
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nonprovisional	YES	\$755	\$300	5	0	\$1055	05/27/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
NGUYEN, I	IUY TRAM	1797	216-022000				
1. Change of correspondence address or indication of "Fee Address" (37 CFR I.565). Change of correspondence address (or Change of Correspondence Address form PTOSB/122) attached. The Address' indication or "Fee Address" Indication form PTOSB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.		(I) the names of up or agents OR, alterns (2) the name of a sir registered attorney of 2 registered patent a	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys 1. cragents OR, alternatively, (2) the name of a single firm (having as a member a 2. registered attorney or agent) and the names of up to 1. registered patent antorneys or agent. If no name is 3.				
PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comj GNEE	ified below, no assigned pletion of this form is NO	(B) RESIDENCE: (CI	patent. If an an assignment. I'Y and STATE	OR COUN	TRY)	ocument has been filed for
4a. The following fee(s) Issue Fee Publication Fee (N	o small entity discount j		tb. Payment of Fee(s): (P A check is enclosed Payment by credit of The Director is here overpayment, to De	I. card. Form PTC by authorized t	-2038 is at	ached.	
	s SMALL ENTITY state	us. See 37 CFR 1.27.	☐ b. Applicant is no l				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accept ites Patent and Trademar	ed from anyone other that k Office.	n the applicant;	a registered	attorney or agent; or the	ne assignee or other party ir
Authorized Signature				Date			
Typed or printed name				-	tion No		
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 d application form to the ons for reducing this bu firginia 22313-1450. DC 13-1450.	CFR 1.311. The informat i U.S.C. 122 and 37 CFR c USPTO. Time will var rden, should be sent to to D NOT SEND FEES OR	ion is required to obtain of k 1.14. This collection is y depending upon the in the Chief Information Off COMPLETED FORMS	or retain a benef estimated to tal dividual case. A icer, U.S. Pater TO THIS ADI	it by the put ie 12 minute ny comment and Trade RESS, SEN	olic which is to file (and is to complete, including the on the amount of timark Office, U.S. Dep ID TO: Commissioner	d by the USPTO to process ig gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450

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JORDAN AND HAMBURG LLP	NGUYEN, H	NGUYEN, HUY TRAM		
122 EAST 42ND STREET	ART UNIT	PAPER NUMBER		
SUITE 4000 NEW YORK, NY 10168	1797)		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 520 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 520 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
AL .: (AU 199	10/565,755	AOGAKI ET AL.				
Notice of Allowability	Examiner	Art Unit				
	HUY-TRAM NGUYEN	1797				
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 N NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not includ will be mailed in due	ed course. THIS			
 This communication is responsive to <u>the amendment filed</u>. 	on January 8, 2009.					
2. The allowed claim(s) is/are 1 and 3-11.						
	been received.					
Certified copies of the priority documents have						
 Copies of the certified copies of the priority does International Bureau (PCT Rule 17.2(a)). 	cuments have been received in this i	national stage applica	tion from the			
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the re	quirements			
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			IOTICE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-	948) attached				
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date						
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of				
ldentifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in ti			back) of			
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal P	atent Application				
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary Paper No./Mail Dat	(PTO-413),				
 ☐ Information Disclosure Statements (PTO/SB/08), 	7. Examiner's Amenda					
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. X Examiner's Stateme	8. 🛮 Examiner's Statement of Reasons for Allowance				
-	9. Other					

Application/Control Number: 10/565,755 Page 2

Art Unit: 1797

DETAILED ACTION

Allowable Subject Matter

Claims 1, and 3-11 are allowed.

The following is an examiner's statement of reasons for allowance:

3. Regarding Claims 1, 3, 8, 10 and 11, no prior art can be found for an apparatus or method of manufacturing the object of the instant application. The closest prior art, Dolan et al. (US Patent No. 6,136,182) discloses a vessel which is enclosed by solid walls to form microscopic liquid channel of ferromagnetic material for performing an extraction and/or absorption reaction while the apparatus of the claimed invention comprises a microscopic liquid channel being formed by a magnetic barrier being generated by the ferromagnetic track under the magnetic field, no physical groove, vessel, or walls other than on the bottom face/substrate.

Claims 4, 5-7 and 9 directly or indirectly depend on Claims 3, 1, and 8 respectively.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUY-TRAM NGUYEN whose telephone number is Art Unit: 1797

(571)270-3167. The examiner can normally be reached on MON- THURS: $6:30\ AM$ -

5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor. Walter Griffin can be reached on 571-272-1447. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HTN 2/23/09

/Walter D. Griffin/

Supervisory Patent Examiner, Art Unit 1797